Helping protect the bond between clients and pets through parasite control

By Susan E. Little, DVM, PhD, DACVM (Parasitology)

Love the pets…
Pets enrich our lives, making us happier, healthier and more engaged.1 Studies documenting specific positive health outcomes associated with pets include fewer physician visits in older pet owners; decreased blood pressure, cholesterol and triglycerides; and reduced mortality following acute myocardial infarction.1-3 While many studies focus on the exercise, social interaction and overall health benefits of living with dogs, the companionship provided by cats also has been shown to reduce anxiety, promote a sense of social connectedness and belonging and improve mental health and well-being.4,5 The external focus of attention necessitated by living with cats can disrupt harmful patterns of rumination, one of the key behaviors thought to contribute to depression, particularly in women.6 Pets accept us, unconditionally and usually with true, unwavering affection. Indeed, over 90% of pet owners consider their pet to be a valued family member.7

…not the parasites.
Despite the many benefits pets confer, some disease risks exist and can be mitigated with regular veterinary care and careful attention to recommendations for preventing potential zoonotic disease, including parasite control. Vaccination has all but eliminated feline and canine rabies in most of the developed world, but, as recent surveys in animal shelters or of free-ranging cat populations can readily attest, zoonotic parasites continue to abound.8,9 Controlling parasites in cats serves a public health role by limiting environmental contamination with stages that can infect and cause disease in people and by removing arthropods that may feed on people, cause dermatitis and potentially transmit serious, at times fatal, infections. Parasites also create a formidable aesthetic barrier to a close cat-person relationship. A majority of cat owners co-sleep with their pet10 but the intense disgust parasites evoke can fracture this warm relationship. Indeed, recent work suggests that the emotion of disgust evolved specifically to reduce risk of infection—a phenomenon fittingly referred to as “parasite avoidance theory”11 and a feeling familiar to all of us who have witnessed a cat heavily infested with fleas, shedding tapeworm proglottids or vomiting nematodes.

Feline parasites are common…
In the absence of veterinary intervention, parasites are common in cats. Indeed, infection with parasites is the natural state for most animals, and a great

Tips to share with clients to promote year-round parasite control

• Year-round parasite control is a key part of responsible pet ownership but it doesn’t have to be a struggle. There is an option that will work for every pet and every pet’s temperament.

• Whenever possible, start cats on parasite control when young so they become accustomed to having transdermal products applied or wearing a collar.

• Topically applied, systemically absorbed transdermal products can make treating cats and dogs easier and less stressful for everyone. Let’s fight the parasites, not the pet!

• Be sure that the cat is calm before beginning to administer the topical product. And combine the application with a treat, a feline pheromone or a fun catnip experience so that the cat receives positive reinforcement with the treatment.

• One treatment is not enough. Re-infection commonly occurs, and once shed, parasite stages may persist in the environment for years. Since you’ll be re-treating each month try to make it fun for the cat and for you.

• Parasites often establish silent infections—we can’t always detect them, even with the best diagnostic tools.

• Fleas and ticks love cats almost as much as we do! These external parasites seek hosts whenever the temperature warms up—even in winter months. And ticks aren’t just a dog problem. Cats are at risk for both tick infestation and tick-borne diseases, including Lyme disease. Even indoor cats can get fleas and ticks—people bring them in on their clothing or untreated dogs bring them in on their fur. But we have great options to keep cats protected throughout the year.
The majority of dogs and cats in animal shelters harbor parasitic infections. In recent surveys, 77.3% of dogs and 67.2% of cats at municipal shelters in the midwestern United States were infected with helminths.1,2 Dog park surveys showed approximately 33% of owned dogs in the general population were shedding parasites in their feces.1,3 Safe, effective parasite treatments are readily available for both dogs and cats, but diagnosis can be challenging.1,4 This problem is further compounded by difficulties encountered when attempting to obtain an adequate fecal sample from feline patients without fracturing the veterinary–cat bond.

…but can be readily controlled. The zoonotic risk associated with parasites of cats is well known and the basis for the CDC recommendation of regular veterinary-prescribed deworming of all pets to reduce environmental contamination with zoonotic hookworm eggs and larvae, roundworm eggs and tapeworm eggs. Zoonotic infection with Toxocara catti may lead to visceral or ocular larva migrans with serious adverse sequela; toxocariasis is considered a top 5 neglected parasitic infection in public health.4 In addition to deworming cats, avoiding areas that may be contaminated with ascariid eggs or hookworm larvae such as uncovered sandboxes is recommended. Zoonotic risk of parasite infection is further mitigated by consistent, prompt removal and safe disposal of cat feces as well as attention to hygiene through hand-washing.1

Tapeworms and heartworms are also a feline concern… Veterinary treatment for cestodes is recommended by CDC to limit risk of human infection with zoonotic tapeworms.1 Disease caused by zoonotic cestodes ranges from the mildly annoying Dipylidium caninum to severe, life-threatening Echinococcus spp. Although impactions have been reported,15 adult cestodes in the small intestine are not thought to cause significant pathology in most cats. Even without overt disease, the disgust elicited in owners upon seeing proglottids on pillows or upholstery recently occupied by a cat can be quite damaging to the human–animal bond. While not a zoonotic risk, feline heartworm can be devastating to both cat and owner, leading to respiratory disease and, in extreme cases, death. Careful attention to comprehensive, veterinary-led parasite control reduces the risk for zoonotic infections, protects feline health and shields the cat–human relationship from harm.

…but with consistent parasite control, we can help keep cats in the home and close to us. Protecting cats from parasites achieves so much more than just protecting feline health. Cats and the people that love them treasure their time together relaxing on the couch, petting and being petted and even co-sleeping. The revulsion parasites elicit threatens this relationship, ultimately jeopardizing the safe, peaceful lifestyle indoor cats enjoy and deserve. Controlling parasites protects that bond, ensuring that fleas, ticks and internal parasites are not able to come between cats and their owners while also protecting feline and public health. Long-lasting flea and tick control and topical internal parasite control can make administering these products less stressful for cats, owners and veterinarians, removing one of the major barriers to treating cats—namely, cats. With consistent use of low-stress, feline-friendly treatments, we can keep our cats close while keeping their parasites at bay.

References